Noah Fang

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Cell: (626)-318-2632

Work Experience

- **Teaching Assistant**
  Brown University - Providence, RI *August 2017 - December 2017*
  Helped teach the students of CS0190, an application only class, the basics of data structures and algorithms including trees, heaps, queues, graphs, dynamic programming, and recursion.

- **Software Engineering Intern**
  Rally Health - Washington D.C. *Summer 2017*
  Improved the functionality and scalability of backend services and helped create an experimental framework to help execute A/B and multivariate testing in current services. Wrote scripts and programs to work with MongoDB and SQL databases. Wrote extensive test suites to assure service coverage and functionality. Used scrum for product management and development.

- **Volunteer**
  Chris Van Hollen for Senate Campaign - Bethesda, Maryland *Summer 2016*
  Worked at the Chris Van Hollen for Senate campaign office for 30 hrs/week. Performed canvassing and was part of the outreach program.

- **Student Researcher**
  California Institute of Technology - Pasadena, California *Summer 2015*
  Worked at Caltech for 40 hours / week searching for clusters of galaxies in a new astronomical catalog; created an innovative artificial intelligence to detect these clusters

Skills

- Fluent in Java, Python, Scala, and Unix Shell. Experience with Matlab, OCaml, Racket, C, and C++
- Familiar with Linux, OSX, and Windows
- Familiar with MongoDB and SQL databases
- Knowledge of Modeling and Simulation, Algorithms and Data Structures, Software Design
- Extensive work in Machine Learning. Experience with the Caffe deep learning framework
- Coursework includes: Logic for Logic Systems, Introduction to Discrete Structures and Probability, Statistical Inference I, Introduction to Relativity and Quantum Physics, Accelerated Introduction to Computer Science (CS0190), Analytical Mechanics, and Linear Algebra

Education

- **Brown University**
  GPA: 4.0 *Class of 2020*
- **Montgomery Blair High School Magnet**
  GPA: 3.93, Weighted GPA:4.75 *Class of 2016*

Awards

- **Intel Science Talent Search**
  Semifinalist *January 2016*
- **National AP Scholar**
  Summer 2015
- **United States of America Computing Olympiad**
  Silver Division *2015*
- **Princeton University Physics Competition** Princeton, NJ
  7th place *November 2014*